

MTC 6801  
PATENT

This listing of claims will replace all prior versions and listings of claims in the application:

**Listing of Claims:**

1. (Previously Amended) An aqueous pesticidal concentrate microemulsion composition comprising:

a pesticidal component consisting of a water-soluble pesticide component comprising glyphosate or a salt or ester thereof dissolved in an aqueous medium, the water-soluble pesticide being present in a concentration that is biologically effective when the composition is diluted in a suitable volume of water and applied to the foliage of a susceptible plant;

a substantially water-immiscible organic solvent; and

a surfactant system comprising a surfactant component and a stabilizer, said surfactant component comprising one or more alkoxyated amine cationic surfactants present in a concentration sufficient to provide acceptable temperature stability of the microemulsion such that the microemulsion has a cloud point of at least about 50°C and a crystallization point not greater than about -10°C, said stabilizer comprising one or more compounds selected from the group consisting of dimethylcocoamine, hexylamine, dimethylhexylamine, octylamine, decylamine, dimethyloctylamine, dodecyltrimethylamide, C<sub>4-8</sub> trialkylamines and quaternary ammonium salts thereof present in an amount sufficient to enhance the compatibility of said surfactant component with the pesticide.

2-7. (Canceled)

8. (Previously Amended) The composition of claim 1 wherein the glyphosate is predominantly in the form of the potassium, monoammonium, diammonium, sodium, monoethanolamine, n-propylamine, ethylamine, ethylenediamine, hexamethylenediamine or trimethylsulfonium salt thereof.

MTC 6801  
PATENT

9. (Original) The composition of claim 8 wherein the glyphosate is predominantly in the form of the potassium salt thereof.

10-17. (Canceled)

18. (Original) The composition of claim 9 wherein said glyphosate, predominantly in the form of the potassium salt thereof, is in solution in said aqueous phase in an amount of about 310 to about 600 grams of acid equivalent per liter of the composition.

19. (Original) The composition of claim 18 wherein said glyphosate, predominantly in the form of the potassium salt thereof, is in solution in said aqueous phase in an amount of about 360 to about 600 grams of acid equivalent per liter of the composition.

20. (Original) The composition of claim 19 wherein said glyphosate, predominantly in the form of the potassium salt thereof, is in solution in said aqueous phase in an amount of about 400 to about 600 grams of acid equivalent per liter of the composition.

21. (Previously Amended) The composition of claim 20 wherein said glyphosate, predominantly in the form of the potassium salt thereof, is in solution in said aqueous phase in an amount of about 450 to about 600 grams of acid equivalent per liter of the composition.

22. (Previously Amended) The composition of claim 21 wherein said glyphosate, predominantly in the form of the potassium salt thereof, is in solution in said aqueous phase in an amount of about 480 to about 600 grams of acid equivalent per liter of the composition.

23. (Previously Amended) The composition of claim 22 wherein said glyphosate, predominantly in the form of the potassium salt thereof, is in solution in said aqueous phase in an amount of about 500 to about 600 grams of acid equivalent per liter of the composition.

MTC 6801  
PATENT

24. (Previously Amended) The composition of claim 22 wherein said glyphosate, predominantly in the form of the potassium salt thereof, is in solution in said aqueous phase in an amount of about 480 to about 580 grams of acid equivalent per liter of the composition.

25. (Previously Amended) The composition of claim 22 wherein said glyphosate, predominantly in the form of the potassium salt thereof, is in solution in said aqueous phase in an amount of about 540 to about 600 grams of acid equivalent per liter of the composition.

26-30. (Canceled)

31. (Previously Amended) A liquid herbicidal concentrate emulsion composition having a continuous aqueous phase and a discontinuous oil phase, the composition comprising:

a pesticidal component consisting of glyphosate predominantly in the form of the potassium, monoammonium, diammonium, sodium, monoethanolamine, n-propylamine, ethylamine, ethylenediamine, hexamethylenediamine or trimethylsulfonium salt thereof, in solution in said aqueous phase in a concentration that is biologically effective when the composition is diluted in a suitable volume of water to form an enhanced application mixture and applied to foliage of a susceptible plant;

an oil phase comprising a substantially water-immiscible organic solvent; and

a surfactant system comprising a surfactant component and a stabilizer in solution or stable suspension, emulsion, or dispersion in said aqueous phase, said surfactant component comprising one or more alkoxylated amine cationic surfactants present in a concentration sufficient to provide acceptable temperature stability of the concentrate emulsion composition such that the concentrate emulsion composition has a cloud point of at least about 50°C and a crystallization point not greater than about -10°C, said stabilizer comprising one or more compounds selected from the group consisting of dimethylcocoamine, hexylamine, dimethylhexylamine, octylamine, decylamine, dimethyloctylamine, dodecyltrimethylamide, C<sub>12-18</sub> trialkylamines and quaternary ammonium salts thereof present in an amount sufficient to enhance the compatibility of said surfactant component with the glyphosate.

MTC 6801  
PATENT

32. (Previously Amended) The composition of claim 31 wherein said stabilizer is present in an amount which provides an optically transparent composition.

33. (Original) The composition of claim 31 wherein the crystallization point is not greater than about -20°C.

34. (Original) The composition of claim 31 wherein the cloud point is at least about 60°C.

35-36. (Canceled)

37. (Original) The composition of claim 31 wherein the glyphosate is predominantly in the form of the potassium, monoammonium, diammonium, sodium, monoethanolamine, n-propylamine, ethylamine, ethylenediamine, or hexamethylenediamine salt thereof.

38. (Original) The composition of claim 31 wherein said glyphosate is in solution in said aqueous phase in an amount of about 400 to about 600 grams of acid equivalent per liter of the composition.

39. (Original) The composition of claim 31 wherein said surfactant component comprises at least one cationic surfactant.

40. (Original) The composition of claim 39 wherein said surfactant component comprises at least one nonionic surfactant.

41. (Previously Amended) An aqueous pesticidal concentrate microemulsion composition comprising:

a pesticidal component consisting of a water-soluble pesticide component comprising glyphosate or a salt or ester thereof dissolved in an aqueous medium, the water-soluble pesticide being present in a concentration that is biologically effective when the composition is diluted in a suitable volume of water and applied to the foliage of a susceptible plant;

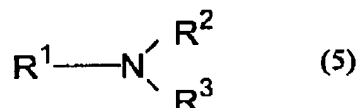
MTC 6801  
PATENT

a substantially water-immiscible organic solvent; and

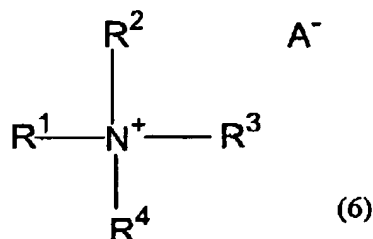
a surfactant system comprising a surfactant component and a stabilizer, said surfactant component comprising at least one alkoxyated amine cationic surfactant and at least one nonionic surfactant, the surfactant component being present in a concentration sufficient to provide acceptable temperature stability of the microemulsion such that the microemulsion has a cloud point of at least about 50°C and a crystallization point not greater than about -10°C, said stabilizer comprising one or more amine compounds or quaternary ammonium salts thereof, each of which comprises an alkyl or aryl substituent having from about 4 to about 16 carbon atoms and not more than ten ethylene oxide linkages within the compound, wherein said stabilizer is present in an amount sufficient to enhance the compatibility of said surfactant component with the pesticide and the weight ratio of said at least one cationic surfactant to said stabilizer is between about 1.5:1 and about 6:1.

42-45. (Canceled)

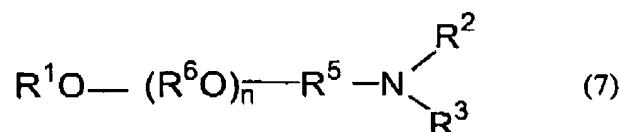
46. (Previously Amended) The composition of claim 41 wherein said stabilizer comprises one or more amine or quaternary ammonium salt compounds having the formula:



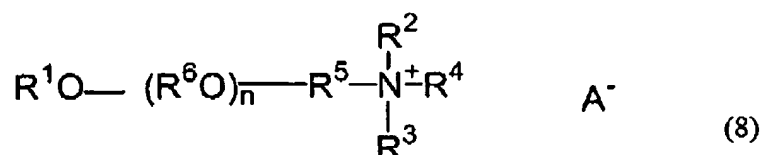
or



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MTC 6801  
PATENT

or



wherein  $\text{R}^1$  is linear or branched alkyl or aryl having from about 4 to about 16 carbon atoms,  $\text{R}^2$  is hydrogen, methyl, ethyl, or  $-(\text{CH}_2\text{CH}_2\text{O})_x\text{H}$ ,  $\text{R}^3$  is hydrogen, methyl, ethyl, or  $-(\text{CH}_2\text{CH}_2\text{O})_y\text{H}$ , the sum of  $x$  and  $y$  is not more than about 5,  $\text{R}^4$  is hydrogen or methyl,  $\text{R}^6$  in each of the  $n$   $(\text{R}^6\text{O})$  groups is independently  $\text{C}_2$ - $\text{C}_4$  alkylene,  $\text{R}^5$  is hydrocarbylene or substituted hydrocarbylene having from 2 to about 6 carbon atoms, and  $\text{A}^-$  is an agriculturally acceptable anion.

47. (Canceled)

48. (Previously Amended) The composition of claim 41 wherein the glyphosate is predominantly in the form of the potassium, monoammonium, diammonium, sodium, monoethanolamine, n-propylamine, ethylamine, ethylenediamine, hexamethylenediamine or trimethylsulfonium salt thereof.

49. (Original) The composition of claim 48 wherein the glyphosate is predominantly in the form of the potassium salt thereof.

50-57. (Canceled)

MTC 6801  
PATENT

58. (Currently Amended) The composition of claim 41 [47] wherein said glyphosate is in solution in said aqueous phase in an amount of about 310 to about 600 grams of acid equivalent per liter of the composition.

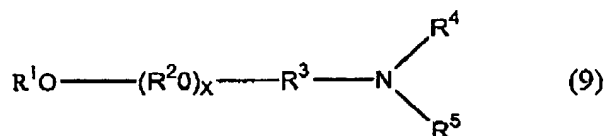
59. (Previously Amended) The composition of claim 58 wherein said glyphosate is in solution in said aqueous phase in an amount of about 360 to about 600 grams of acid equivalent per liter of the composition.

60. (Previously Amended) The composition of claim 59 wherein said glyphosate is in solution in said aqueous phase in an amount of about 400 to about 600 grams of acid equivalent per liter of the composition.

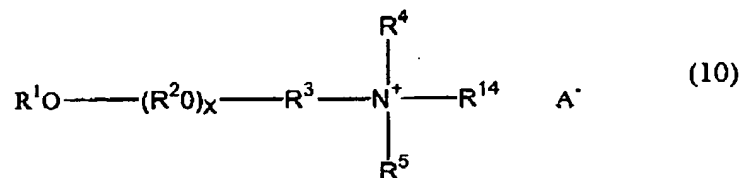
61-62. (Canceled)

63. (Currently Amended) The composition of claim 41 wherein said ~~at least one cationic~~ surfactant component further comprises at least one cationic surfactant comprising:

(a) an aminated alkoxylated alcohol having the formula:



or

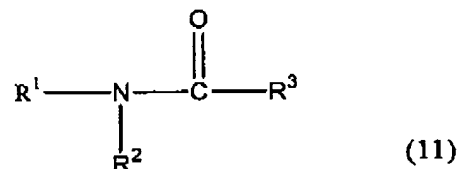


wherein R<sup>1</sup> is hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, R<sup>4</sup> is hydrogen, hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, hydroxy substituted hydrocarbyl, -(R<sup>6</sup>)<sub>n</sub>-(R<sup>2</sup>O)<sub>y</sub>R<sup>7</sup>, -C(=NR<sup>11</sup>)NR<sup>12</sup>R<sup>13</sup>, -

MTC 6801  
PATENT

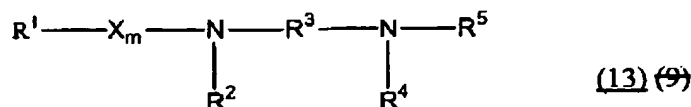
$C(=O)NR^{12}R^{13}$ ,  $-C(=S)NR^{12}R^{13}$  or together with  $R^5$  and the nitrogen atom to which they are attached, form a cyclic or heterocyclic ring,  $R^5$  is hydrogen, hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, hydroxy substituted hydrocarbyl,  $-(R^6)_n-$ ,  $(R^2O)_yR^7$ ,  $-C(=NR^{11})NR^{12}R^{13}$ ,  $-C(=O)NR^{12}R^{13}$ ,  $-C(=S)NR^{12}R^{13}$  or together with  $R^4$  and the nitrogen atom to which they are attached, form a cyclic or heterocyclic ring,  $R^7$  is hydrogen or a linear or branched alkyl group having 1 to about 4 carbon atoms,  $R^{11}$ ,  $R^{12}$  and  $R^{13}$  are hydrogen, hydrocarbyl or substituted hydrocarbyl,  $R^{14}$  is hydrogen, hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, hydroxy substituted hydrocarbyl,  $-(R^6)_n-(R^2O)_yR^7$ ,  $-C(=NR^{11})NR^{12}R^{13}$ ,  $-C(=O)NR^{12}R^{13}$ , or  $-C(=S)NR^{12}R^{13}$ ,  $R^2$  in each of the  $x$   $(R^2O)$  and  $y$   $(R^2O)$  groups is independently  $C_2$ - $C_4$  alkylene,  $R^3$  and  $R^6$  are each independently hydrocarbylene or substituted hydrocarbylene having from 1 to about 6 carbon atoms,  $n$  is 0 or 1,  $x$  and  $y$  are independently an average number from 1 to about 60, and  $A^-$  is an agriculturally acceptable anion; or

(b) a hydroxylated amide having the formula:



wherein  $R^1$  is hydrocarbyl or substituted hydrocarbyl having from about 4 to about 30 carbon atoms,  $R^2$  is hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, and  $R^3$  is hydroxyalkyl, polyhydroxyalkyl, or poly(hydroxyalkyl)alkyl; or

(c) a diamine having the formula:



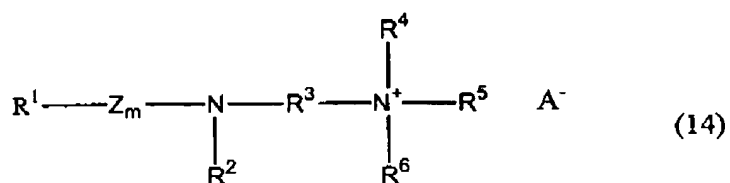
wherein  $R^1$ ,  $R^2$  and  $R^5$  are independently hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms or  $-R^8(OR^9)_nOR^{10}$ ,  $R^3$  is hydrocarbylene or substituted hydrocarbylene having from 2 to about 18 carbon atoms,  $R^8$  and  $R^9$  are individually



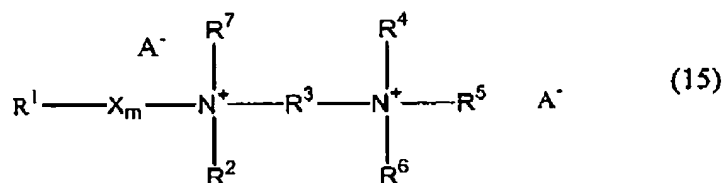
MTC 6801  
PATENT

hydrocarbylene or substituted hydrocarbylene having from 2 to about 4 carbon atoms,  $R^4$  and  $R^{10}$  are independently hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms,  $m$  is 0 or 1,  $n$  is an average number from 0 to about 40, and  $X$  is  $-C(O)-$  or  $-SO_2-$ ;  
or

(d) a mono- or di-ammonium salt having the formula:

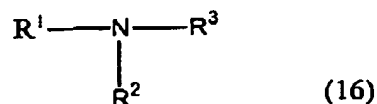


or



wherein  $R^1$ ,  $R^2$ ,  $R^4$ ,  $R^5$  and  $R^7$  are independently hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms or  $-R^8(OR^9)_nOR^{10}$ ,  $R^6$  is hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms,  $R^3$  is hydrocarbylene or substituted hydrocarbylene having from 2 to about 30 carbon atoms,  $R^8$  and  $R^9$  are individually hydrocarbylene or substituted hydrocarbylene having from 2 to about 4 carbon atoms,  $R^{10}$  is hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms,  $m$  is 0 or 1,  $n$  is an average number from 0 to about 40,  $X$  is  $-C(O)-$  or  $-SO_2-$ ,  $Z$  is  $-C(O)-$ , and  $A^-$  is an agriculturally acceptable anion; or

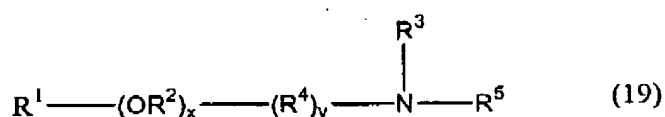
(e) a poly(hydroxyalkyl)amine having the formula:



MTC 6801  
PATENT

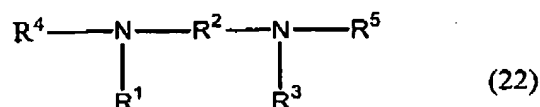
wherein  $R^1$  is hydrocarbyl or substituted hydrocarbyl having from about 4 to about 30 carbon atoms or  $-R^4OR^5$ ,  $R^2$  is hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms,  $R^3$  is hydroxyalkyl, polyhydroxyalkyl, or poly(hydroxyalkyl)alkyl,  $R^4$  is hydrocarbylene or substituted hydrocarbylene having from 2 to about 18 carbon atoms, and  $R^5$  is hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms; or

(f) an alkoxyated poly(hydroxyalkyl)amine having the formula:



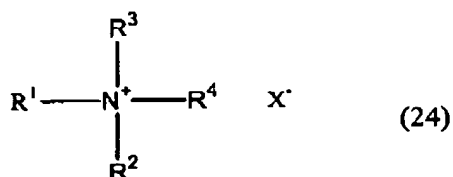
wherein  $R^1$  and  $R^3$  are independently hydrogen, hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms,  $R^2$  in each of the  $x$  ( $R^2O$ ) groups is independently  $C_2-C_4$  alkylene,  $R^4$  is hydrocarbylene or substituted hydrocarbylene having from 1 to about 30 carbon atoms,  $R^5$  is hydroxyalkyl, polyhydroxyalkyl, or poly(hydroxyalkyl)alkyl  $x$  is an average number from 0 to about 30, and  $y$  is 0 or 1; or

(g) a di-poly(hydroxyalkyl)amine having the formula:



wherein  $R^1$  and  $R^3$  are independently hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 22 carbon atoms,  $R^2$  is hydrocarbylene or substituted hydrocarbylene having from 2 to about 18 carbon atoms, and  $R^4$  and  $R^5$  are independently hydroxyalkyl, polyhydroxyalkyl, or poly(hydroxyalkyl)alkyl; or

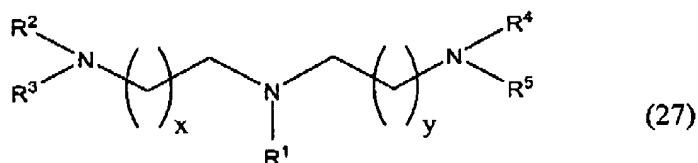
(h) a quaternary poly(hydroxyalkyl)amine salt having the formula:



MTC 6801  
PATENT

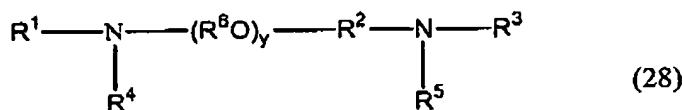
wherein  $R^1$  is hydrocarbyl or substituted hydrocarbyl having from about 4 to about 30 carbon atoms or  $-X_m-(R^6O)_yR^5$ ,  $R^2$  and  $R^3$  are independently hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms,  $R^4$  is hydroxyalkyl, polyhydroxyalkyl, or poly(hydroxyalkyl)alkyl,  $X^-$  is an agriculturally acceptable anion,  $R^6$  in each of the  $y(R^6O)$  groups is independently  $C_2-C_4$  alkylene,  $R^5$  is hydrogen or a linear or branched alkyl group having 1 to about 4 carbon atoms,  $X$  is hydrocarbylene or substituted hydrocarbylene having from 2 to about 18 carbon atoms,  $m$  is 0 or 1, and  $y$  is an average number from 0 to about 30; or

(i) a triamine having the formula:



wherein  $R^1$  is hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms,  $R^2$ ,  $R^3$ ,  $R^4$  and  $R^5$  are independently hydrogen, hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, or  $-(R^8)_s(R^7O)_nR^6$ ,  $R^6$  is hydrogen or a linear or branched alkyl group having from 1 to about 4 carbon atoms,  $R^7$  in each of the  $n(R^7O)$  groups is independently  $C_2-C_4$  alkylene,  $R^8$  is hydrocarbylene or substituted hydrocarbylene having from 1 to about 6 carbon atoms,  $n$  is an average number from 1 to about 10,  $s$  is 0 or 1, and  $x$  and  $y$  are independently an integer from 1 to about 4; or

(j) a diamine having the formula:

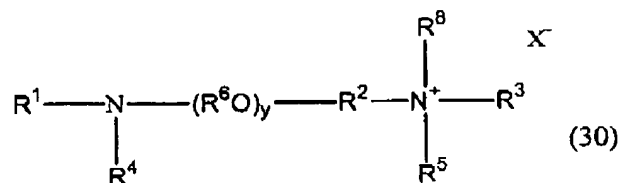


wherein  $R^1$ ,  $R^3$ ,  $R^4$  and  $R^5$  are independently hydrogen, hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, or  $-(R^6O)_xR^7$ ,  $R^2$  is hydrocarbylene or substituted hydrocarbylene having from 2 to about 30 carbon atoms,  $-C(=NR^{11})NR^{12}R^{13}$ -,  $-C(=O)NR^{12}R^{13}$ -,  $-C(=S)NR^{12}R^{13}$ -,  $-C(=NR^{12})$ -,  $-C(S)$ -, or  $-C(O)$ -,  $R^6$  in each of the  $x(R^6O)$  and  $y(R^6O)$  groups is independently  $C_2-C_4$  alkylene,  $R^7$  is hydrogen, or a linear or branched alkyl group having from 1

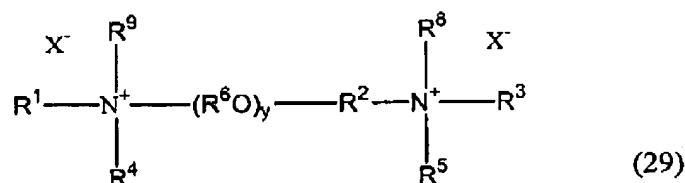
MTC 6801  
PATENT

to about 30 carbon atoms,  $R^{11}$ ,  $R^{12}$  and  $R^{13}$  are hydrogen, hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms,  $x$  is an average number from 1 to about 50, and  $y$  is an average number from 0 to about 60; or

(k) a mono- or di-quaternary ammonium salt having the formula:

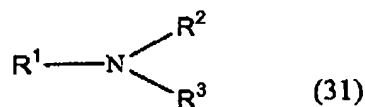


or



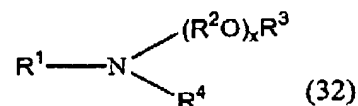
wherein  $R^1$ ,  $R^3$ ,  $R^4$ ,  $R^5$ ,  $R^8$  and  $R^9$  are independently hydrogen, polyhydroxyalkyl, hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, or  $-(R^6O)_xR^7$ ,  $R^2$  is hydrocarbylene or substituted hydrocarbylene having from 2 to about 30 carbon atoms,  $R^6$  in each of the  $x$  ( $R^6O$ ) and  $y$  ( $R^6O$ ) groups is independently  $C_2$ - $C_4$  alkylene,  $R^7$  is hydrogen, or a linear or branched alkyl group having from 1 to about 4 carbon atoms,  $x$  is an average number from 1 to about 30,  $y$  is an average number from about 3 to about 60, and  $X^-$  is an agriculturally acceptable anion; or

(l) a secondary or tertiary amine having the formula:



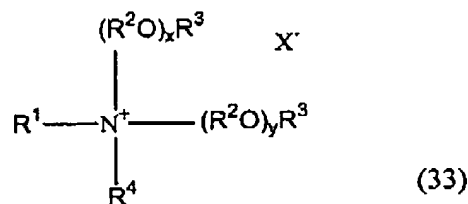
wherein  $R^1$  and  $R^2$  are hydrocarbyl having from 1 to about 30 carbon atoms, and  $R^3$  is hydrogen or hydrocarbyl having from 1 to about 30 carbon atoms; or

(m) a monoalkylated amine having the formula:

MTC 6801  
PATENT

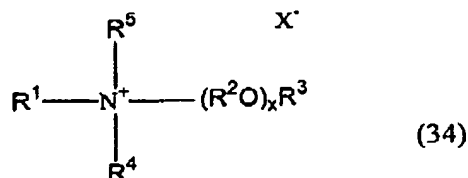
wherein  $\text{R}^1$  and  $\text{R}^4$  are independently hydrocarbyl or substituted hydrocarbyl groups having from 1 to about 30 carbon atoms or  $-\text{R}^5\text{SR}^6$ ,  $\text{R}^2$  in each of the  $x$   $(\text{R}^2\text{O})$  groups is independently  $\text{C}_2\text{-C}_4$  alkylene,  $\text{R}^3$  is hydrogen, or a linear or branched alkyl group having from 1 to about 4 carbon atoms,  $\text{R}^5$  is a linear or branched alkyl group having from about 6 to about 30 carbon atoms,  $\text{R}^6$  is a hydrocarbyl or substituted hydrocarbyl group having from 4 to about 15 carbon atoms and  $x$  is an average number from 1 to about 60; or

(n) a dialkoxylated quaternary ammonium salt having the formula:



wherein  $\text{R}^1$  is hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms,  $\text{R}^2$  in each of the  $x$   $(\text{R}^2\text{O})$  and  $y$   $(\text{R}^2\text{O})$  groups is independently  $\text{C}_2\text{-C}_4$  alkylene,  $\text{R}^3$  is hydrogen, or a linear or branched alkyl group having from 1 to about 4 carbon atoms,  $\text{R}^4$  is hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms,  $x$  and  $y$  are independently an average number from 1 to about 40, and  $\text{X}^-$  is an agriculturally acceptable anion; or

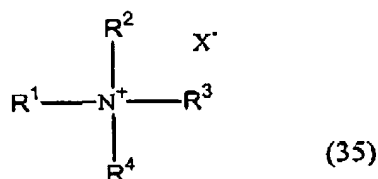
(o) a monoalkoxylated quaternary ammonium salt having the formula:



MTC 6801  
PATENT

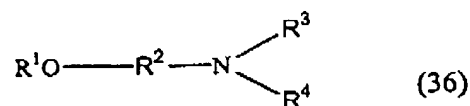
wherein  $R^1$  and  $R^5$  are independently hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms,  $R^4$  is hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms,  $R^2$  in each of the  $x$  ( $R^2O$ ) groups is independently  $C_2$ - $C_4$  alkylene,  $R^3$  is hydrogen, or a linear or branched alkyl group having from 1 to about 30 carbon atoms,  $x$  is an average number from 1 to about 60, and  $X^-$  is an agriculturally acceptable anion; or

(p) a quaternary ammonium salt having the formula:



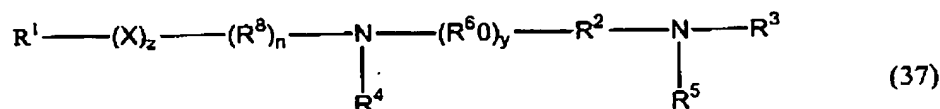
wherein  $R^1$ ,  $R^3$  and  $R^4$  are independently hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms,  $R^2$  is hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, and  $X^-$  is an agriculturally acceptable anion; or

(q) an etheramine having the formula:



wherein  $R^1$  is hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms,  $R^2$  is hydrocarbylene or substituted hydrocarbylene having from 2 to about 30 carbon atoms,  $R^3$  and  $R^4$  are independently hydrogen, hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, or  $-(R^5O)_xR^6$ ,  $R^5$  in each of the  $x(R^5O)$  groups is independently  $C_2$ - $C_4$  alkylene,  $R^6$  is hydrogen, or a linear or branched alkyl group having from 1 to about 4 carbon atoms, and  $x$  is an average number from 1 to about 50; or

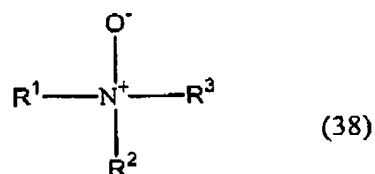
(r) a diamine having the formula:



MTC 6801  
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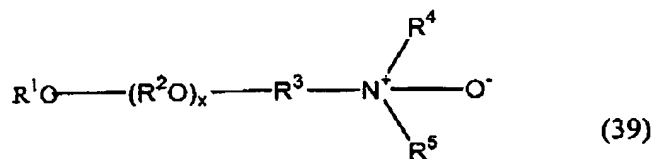
wherein  $R^1$ ,  $R^3$ ,  $R^4$  and  $R^5$  are independently hydrogen, hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, or  $-(R^6O)_xR^7$ ,  $R^2$  and  $R^8$  are independently hydrocarbylene or substituted hydrocarbylene having from 2 to about 30 carbon atoms,  $R^6$  in each of the  $x$   $(R^6O)$  and  $y$   $(R^6O)$  groups is independently  $C_2$ - $C_4$  alkylene,  $R^7$  is hydrogen, or a linear or branched alkyl group having from 1 to about 30 carbon atoms,  $x$  is an average number from 1 to about 30,  $X$  is  $-O-$ ,  $-N(R^6)-$ ,  $-C(O)-$ ,  $-C(O)O-$ ,  $-OC(O)-$ ,  $-N(R^6)C(O)-$ ,  $-C(O)N(R^6)-$ ,  $-S-$ ,  $-SO-$ , or  $-SO_2-$ ,  $y$  is 0 or an average number from 1 to about 30,  $n$  and  $z$  are independently 0 or 1, and  $R^9$  is hydrogen or hydrocarbyl or substituted hydrocarbyl; or

(s) an amine oxide having the formula:



wherein  $R^1$ ,  $R^2$  and  $R^3$  are independently hydrogen, hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms,  $-(R^4O)_xR^5$ , or  $-R^6(OR^4)_xOR^5$ ,  $R^4$  in each of the  $x$   $(R^4O)$  groups is independently  $C_2$ - $C_4$  alkylene,  $R^5$  is hydrogen, or a hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms,  $R^6$  is a hydrocarbylene or substituted hydrocarbylene having from 1 to about 6 carbon atoms,  $x$  is an average number from 1 to about 50, and the total number of carbon atoms in  $R^1$ ,  $R^2$  and  $R^3$  is at least 8; or

(t) an alkoxyated amine oxide having the formula:

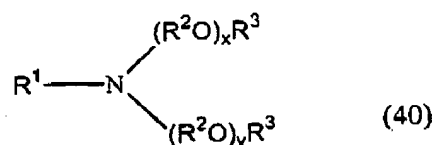


wherein  $R^1$  is hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms,  $R^3$  is a hydrocarbylene or substituted hydrocarbylene having from 2 to about 6 carbon atoms,  $R^4$  and  $R^5$  are each independently hydrogen, hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, or  $-(R^6)_n - (R^2O)_yR^7$ ,  $R^2$  in each of the  $x$

MTC 6801  
PATENT

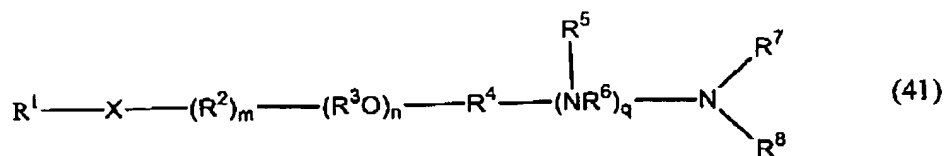
(R<sup>2</sup>O) and y (R<sup>2</sup>O) groups is independently C<sub>2</sub>-C<sub>4</sub> alkylene, R<sup>6</sup> is hydrocarbylene or substituted hydrocarbylene containing from 1 to about 6 carbon atoms, R<sup>7</sup> is hydrogen or a linear or branched alkyl group having 1 to about 4 carbon atoms, n is 0 or 1, and x and y are independently an average number from 1 to about 60; or

(u) a dialkoxylated amine having the formula:



wherein R<sup>1</sup> is hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, -R<sup>4</sup>SR<sup>5</sup>, or -(R<sup>2</sup>O)<sub>z</sub>R<sup>3</sup>, R<sup>2</sup> in each of the x (R<sup>2</sup>O), y (R<sup>2</sup>O) and z (R<sup>2</sup>O) groups is independently C<sub>2</sub>-C<sub>4</sub> alkylene, R<sup>3</sup> is hydrogen, or a linear or branched alkyl group having from 1 to about 22 carbon atoms, R<sup>4</sup> is a linear or branched alkyl group having from about 6 to about 30 carbon atoms, R<sup>5</sup> is a linear or branched alkyl group having from about 4 to about 15 carbon atoms, and x, y and z are independently an average number from 1 to about 40, provided, however, that when R<sup>1</sup> is alkyl, either the sum of x and y is greater than 20 or R<sup>3</sup> is other than hydrogen; or

(v) an aminated alkoxylated alcohol having the formula:



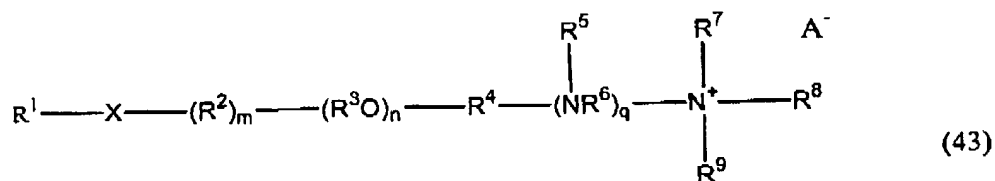
wherein R<sup>1</sup>, R<sup>7</sup>, R<sup>8</sup>, and R<sup>9</sup> are each independently hydrogen, hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, or -(R<sup>11</sup>)<sub>s</sub>(R<sup>3</sup>O)<sub>v</sub>R<sup>10</sup>, X is -O-, -OC(O)-, -C(O)O-, -N(R<sup>12</sup>)C(O)-, -C(O)N(R<sup>12</sup>)-, -S-, -SO-, -SO<sub>2</sub>- or -N(R<sup>9</sup>)-, R<sup>3</sup> in each of the n (R<sup>3</sup>O) groups and the v (R<sup>3</sup>O) groups is independently C<sub>2</sub>-C<sub>4</sub> alkylene, R<sup>10</sup> is hydrogen, or a linear or branched alkyl group having from 1 to about 30 carbon atoms, n is an average number from 1 to about 60, v is an average number from 1 to about 50, R<sup>2</sup> and R<sup>11</sup> are each independently hydrocarbylene or substituted hydrocarbylene having from 1 to about 6 carbon atoms, R<sup>4</sup> is



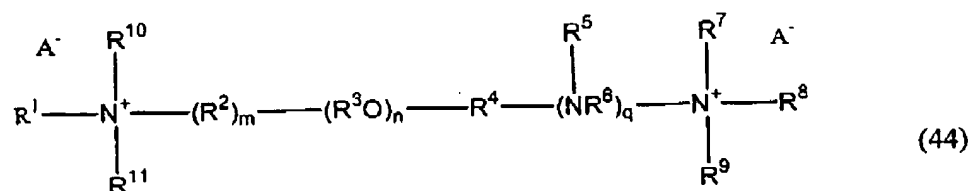
MTC 6801  
PATENT

hydrocarbylene or substituted hydrocarbylene having from 2 to about 6 carbon atoms,  $R^{12}$  is hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms,  $n$  and  $s$  are each independently 0 or 1,  $R^6$  is hydrocarbylene or substituted hydrocarbylene having from 2 to about 30 carbon atoms,  $-C(=NR^{12})-$ ,  $-C(S)-$ , or  $-C(O)-$ ,  $q$  is an integer from 0 to 5, and  $R^5$  is hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms; or

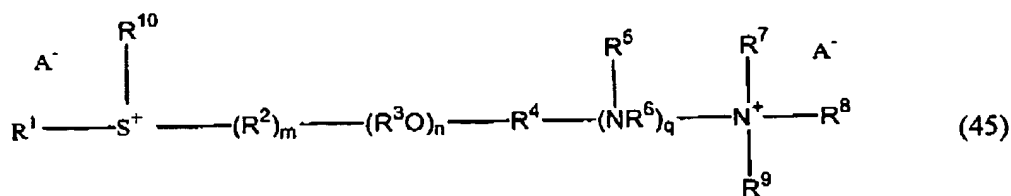
(w) a quaternary ammonium, sulfonium or sulfoxonium salt having the formula:



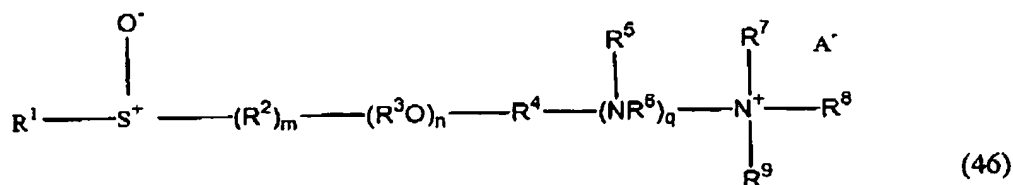
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or



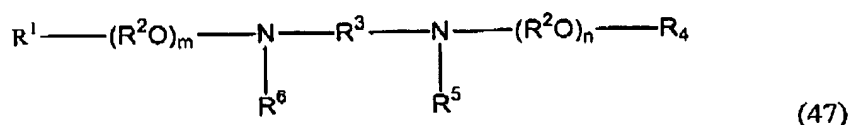
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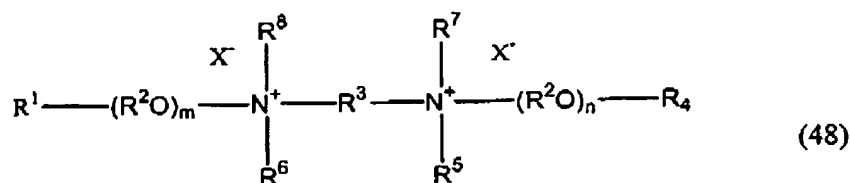
MTC 6801  
PATENT

wherein  $R^1$ ,  $R^7$ ,  $R^8$ ,  $R^9$ ,  $R^{10}$  and  $R^{11}$  are independently hydrogen, hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, or  $-(R^{13})_s(R^3O)_vR^{12}$ ,  $X$  is  $-O-$ ,  $-OC(O)-$ ,  $-N(R^{14})C(O)-$ ,  $-C(O)N(R^{14})-$ ,  $-C(O)O-$ , or  $-S-$ ,  $R^3$  in each of the  $n(R^3O)$  groups and  $v(R^3O)$  groups is independently  $C_2-C_4$  alkylene,  $R^{12}$  is hydrogen, or a linear or branched alkyl group having from 1 to about 30 carbon atoms,  $n$  is an average number from 1 to about 60,  $v$  is an average number from 1 to about 50,  $R^2$  and  $R^{13}$  are each independently hydrocarbylene or substituted hydrocarbylene having from 1 to about 6 carbon atoms,  $m$  and  $s$  are each independently 0 or 1,  $R^4$  is hydrocarbylene or substituted hydrocarbylene having from 2 to about 6 carbon atoms,  $R^6$  is hydrocarbylene or substituted hydrocarbylene having from 2 to about 30 carbon atoms,  $-C(=NR^{12})-$ ,  $-C(S)-$ , or  $-C(O)-$ ,  $R^{14}$  is hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms,  $q$  is an integer from 0 to 5,  $R^5$  is hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, and each  $\Delta^-$  is an agriculturally acceptable anion; or

(x) a diamine or diammonium salt having the formula:



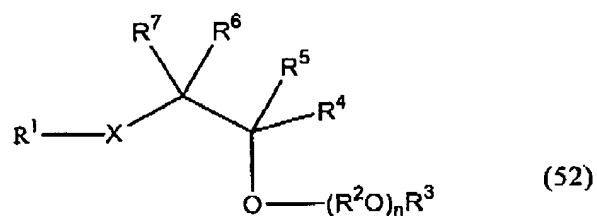
or



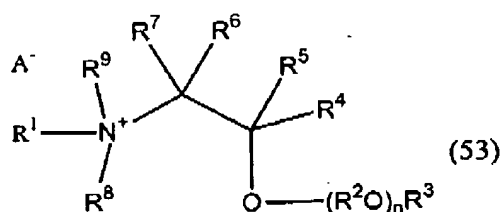
wherein  $R^1$ ,  $R^4$ ,  $R^5$ ,  $R^6$ ,  $R^7$  and  $R^8$  are independently hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms,  $R^2$  in each of the  $m(R^2O)$  and  $n(R^2O)$  groups and  $R^9$  are independently  $C_2-C_4$  alkylene,  $R^3$  is hydrocarbylene or substituted hydrocarbylene having from about 2 to about 6 carbon atoms or  $-(R^2O)_pR_9-$ ,  $m$  and  $n$  are individually an average number from 0 to about 50, and  $p$  is an average number from 0 to about 60; or

MTC 6801  
PATENT

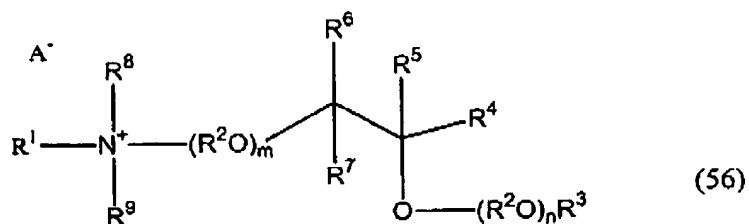
(y) a compound of the formula:



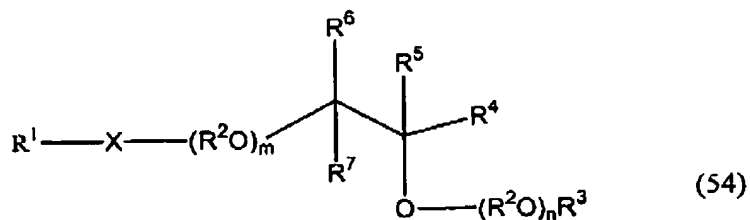
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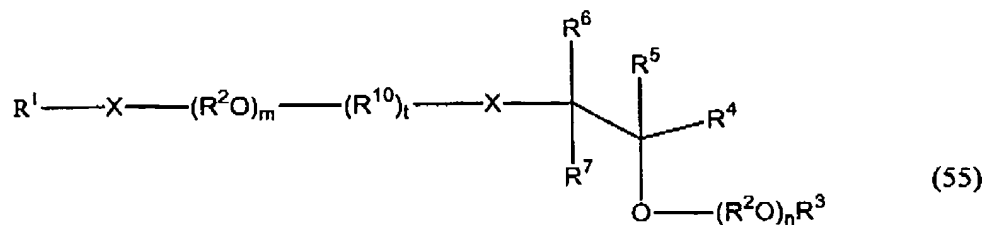
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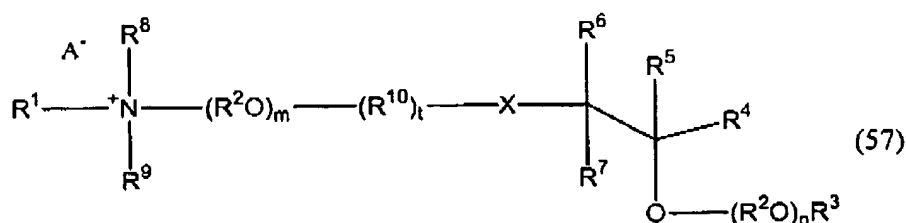
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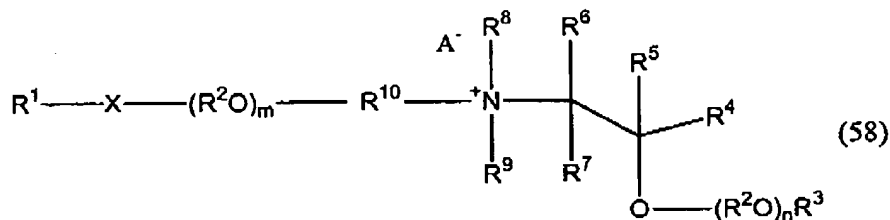
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MTC 6801  
PATENT

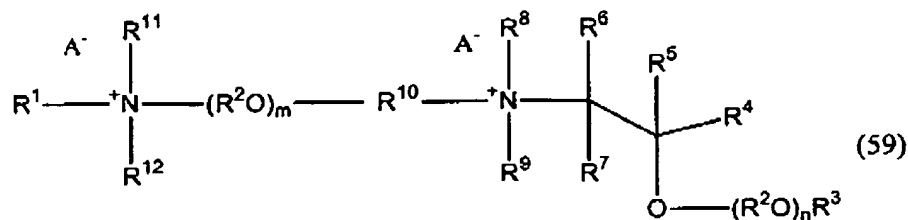
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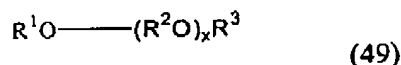
wherein  $R^1$ ,  $R^9$ , and  $R^{12}$  are independently hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, or  $-(R^2O)_pR^{13}$ ,  $R^2$  in each of the  $m$   $(R^2O)$ ,  $n$   $(R^2O)$ ,  $p$   $(R^2O)$  and  $q$   $(R^2O)$

MTC 6801  
PATENT

groups is independently C<sub>2</sub>-C<sub>4</sub> alkylene, R<sup>3</sup>, R<sup>8</sup>, R<sup>11</sup>, R<sup>13</sup> and R<sup>15</sup> are independently hydrogen, or a hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, R<sup>4</sup> is -(CH<sub>2</sub>)<sub>y</sub>OR<sup>13</sup> or -(CH<sub>2</sub>)<sub>y</sub>O(R<sup>2</sup>O)<sub>q</sub>R<sup>3</sup>, R<sup>5</sup>, R<sup>6</sup> and R<sup>7</sup> are independently hydrogen, hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, or R<sup>4</sup>, R<sup>10</sup> is hydrocarbylene or substituted hydrocarbylene having from 2 to about 30 carbon atoms, R<sup>14</sup> is hydrogen, hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, or -(CH<sub>2</sub>)<sub>z</sub>O(R<sup>2</sup>O)<sub>p</sub>R<sup>3</sup>, m, n, p and q are independently an average number from 1 to about 50, X is independently -O-, -N(R<sup>11</sup>)-, -C(O)-, -C(O)O-, -OC(O)-, -N(R<sup>15</sup>)C(O)-, -C(O)N(R<sup>15</sup>)-, -S-, -SO-, or -SO<sub>2</sub>-, t is 0 or 1, A- is an agriculturally acceptable anion, and y and z are independently an integer from 0 to about 30.

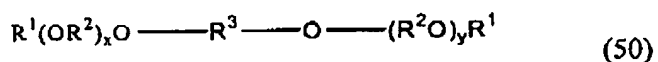
64. (Currently Amended) The composition of claim 41 [63] wherein said at least one nonionic surfactant comprises:

(a) an alkoxyated alcohol having the formula:



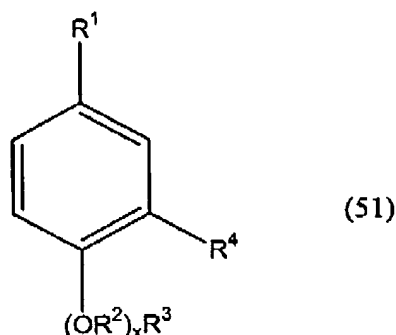
wherein R<sup>1</sup> is hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, R<sup>2</sup> in each of the x (R<sup>2</sup>O) groups is independently C<sub>2</sub>-C<sub>4</sub> alkylene, R<sup>3</sup> is hydrogen, or a linear or branched alkyl group having from 1 to about 4 carbon atoms, and x is an average number from 1 to about 60; or

(b) a dialkoxyated alcohol having the formula:



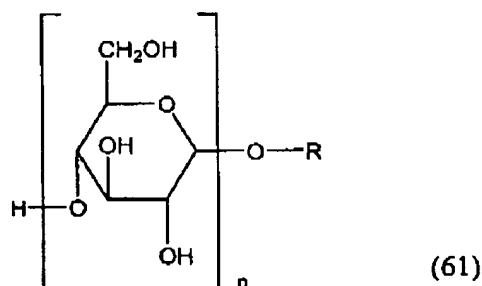
wherein R<sup>1</sup> is independently hydrogen, or a linear or branched alkyl group having from 1 to about 4 carbon atoms, R<sup>2</sup> in each of the x (R<sup>2</sup>O) and the y (R<sup>2</sup>O) groups is independently C<sub>2</sub>-C<sub>4</sub> alkylene, R<sup>3</sup> is hydrocarbylene or substituted hydrocarbylene having from 2 to about 30 carbon atoms, and x and y are independently an average number from 1 to about 60; or

(c) an alkoxyated dialkylphenol having the formula:

MTC 6801  
PATENT

wherein  $R^1$  and  $R^4$  are independently hydrogen, or a linear or branched alkyl group having from 1 to about 30 carbon atoms and at least one of  $R^1$  and  $R^4$  is an alkyl group,  $R^2$  in each of the x  $(R^2O)$  groups is independently  $C_2$ - $C_4$  alkylene,  $R^3$  is hydrogen, or a linear or branched alkyl group having from 1 to about 4 carbon atoms, and x is an average number from 1 to about 60; or

(d) a glycoside having the formula:



wherein n is the degree of polymerization, or number of glucose groups, and R is a branched or straight chain alkyl group preferably having from 4 to 18 carbon atoms, or a mixture of alkyl groups having an average value within the given range.

65. (Previously Amended) A liquid herbicidal concentrate emulsion composition having a continuous aqueous phase and a discontinuous oil phase, the composition comprising:

a pesticidal component consisting of a water-soluble pesticide component comprising glyphosate or a salt or ester thereof dissolved in said aqueous phase, the water-soluble herbicide

MTC 6801  
PATENT

being present in a concentration that is biologically effective when the composition is diluted in a suitable volume of water and applied to the foliage of a susceptible plant;

an oil phase comprising a substantially water-immiscible organic solvent; and

a surfactant system comprising a surfactant component and a stabilizer, said surfactant component comprising at least one alkoxyated amine cationic surfactant and present in a concentration sufficient to provide acceptable temperature stability of the emulsion such that the emulsion has a cloud point of at least about 50°C and a crystallization point not greater than about 0°C, said stabilizer comprising one or more amine compounds or quaternary ammonium salts thereof, each of which comprises an alkyl or aryl substituent having from about 4 to about 16 carbon atoms and not more than ten ethylene oxide linkages within the compound, wherein said stabilizer is present in an amount sufficient to enhance the compatibility of said surfactant component with the herbicide and the weight ratio of said at least one cationic surfactant to said stabilizer is between about 1.5:1 and about 6:1.

66-67. (Canceled)

68. (Previously Amended) The composition of claim 65 wherein the glyphosate is predominantly in the form of the potassium, monoammonium, diammonium, sodium, monoethanolamine, n-propylamine, ethylamine, ethylenediamine, hexamethylenediamine or trimethylsulfonium salt thereof.

69. (Original) The composition of claim 68 wherein the glyphosate is predominantly in the form of the potassium salt thereof.

70-73. (Canceled)

74. (Currently Amended) The composition of claim 65 [67] wherein said glyphosate is in solution in said aqueous phase in an amount of about 310 to about 600 grams of acid equivalent per liter of the composition.

MTC 6801  
PATENT

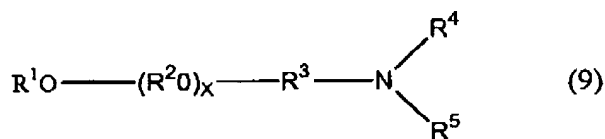
75. (Original) The composition of claim 74 wherein said glyphosate is in solution in said aqueous phase in an amount of about 360 to about 600 grams of acid equivalent per liter of the composition.

76. (Previously Amended) The composition of claim 69 wherein said glyphosate, predominantly in the form of the potassium salt thereof, is in solution in said aqueous phase in an amount of about 400 to about 600 grams of acid equivalent per liter of the composition.

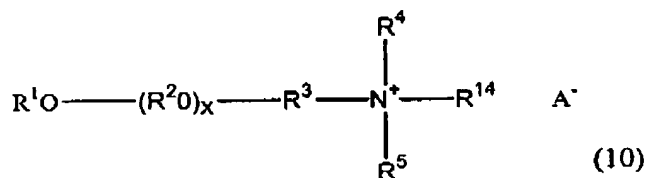
77-78. (Canceled)

79. (Currently Amended) The composition of claim 65 wherein said ~~at least one cationic~~ surfactant component further comprises at least one cationic surfactant comprising:

(a) an aminated alkoxylated alcohol having the formula:



or



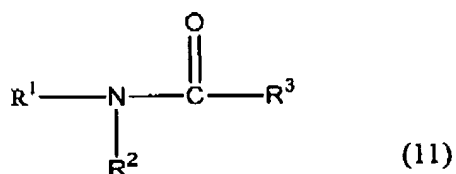
wherein R<sup>1</sup> is hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, R<sup>4</sup> is hydrogen, hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, hydroxy substituted hydrocarbyl, -(R<sup>6</sup>)<sub>n</sub>-(R<sup>2</sup>O)<sub>y</sub>R<sup>7</sup>, -C(=NR<sup>11</sup>)NR<sup>12</sup>R<sup>13</sup>, -C(=O)NR<sup>12</sup>R<sup>13</sup>, -C(=S)NR<sup>12</sup>R<sup>13</sup> or together with R<sup>5</sup> and the nitrogen atom to which they are attached, form a cyclic or heterocyclic ring, R<sup>5</sup> is hydrogen, hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, hydroxy substituted hydrocarbyl, -(R<sup>6</sup>)<sub>n</sub>-(R<sup>2</sup>O)<sub>y</sub>R<sup>7</sup>, -C(=NR<sup>11</sup>)NR<sup>12</sup>R<sup>13</sup>, -C(=O)NR<sup>12</sup>R<sup>13</sup>, -C(=S)NR<sup>12</sup>R<sup>13</sup> or together with R<sup>4</sup> and the



MTC 6801  
PATENT

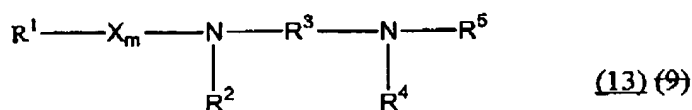
nitrogen atom to which they are attached, form a cyclic or heterocyclic ring,  $R^7$  is hydrogen or a linear or branched alkyl group having 1 to about 4 carbon atoms,  $R^{11}$ ,  $R^{12}$  and  $R^{13}$  are hydrogen, hydrocarbyl or substituted hydrocarbyl,  $R^{14}$  is hydrogen, hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, hydroxy substituted hydrocarbyl,  $-(R^6)_n-(R^2O)_yR^7$ ,  $-C(=NR^{11})NR^{12}R^{13}$ ,  $-C(=O)NR^{12}R^{13}$ , or  $-C(=S)NR^{12}R^{13}$ ,  $R^2$  in each of the  $x$   $(R^2O)$  and  $y$   $(R^2O)$  groups is independently  $C_2$ - $C_4$  alkylene,  $R^3$  and  $R^6$  are each independently hydrocarbylene or substituted hydrocarbylene having from 1 to about 6 carbon atoms,  $n$  is 0 or 1,  $x$  and  $y$  are independently an average number from 1 to about 60, and  $A^-$  is an agriculturally acceptable anion; or

(b) a hydroxylated amide having the formula:



wherein  $R^1$  is hydrocarbyl or substituted hydrocarbyl having from about 4 to about 30 carbon atoms,  $R^2$  is hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, and  $R^3$  is hydroxyalkyl, polyhydroxyalkyl, or poly(hydroxyalkyl)alkyl; or

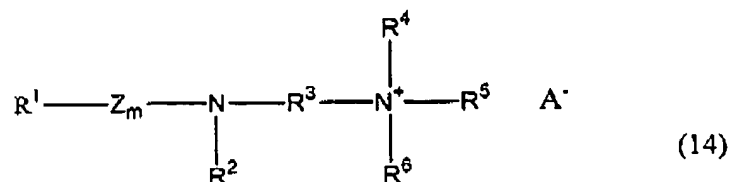
(c) a diamine having the formula:



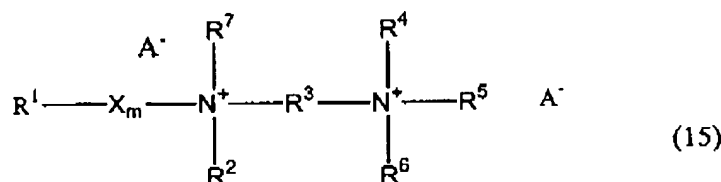
wherein  $R^1$ ,  $R^2$  and  $R^5$  are independently hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms or  $-R^8(OR^9)_nOR^{10}$ ,  $R^3$  is hydrocarbylene or substituted hydrocarbylene having from 2 to about 18 carbon atoms,  $R^8$  and  $R^9$  are individually hydrocarbylene or substituted hydrocarbylene having from 2 to about 4 carbon atoms,  $R^4$  and  $R^{10}$  are independently hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms,  $m$  is 0 or 1,  $n$  is an average number from 0 to about 40, and  $X$  is  $-C(O)-$  or  $-SO_2-$ ; or

MTC 6801  
PATENT

(d) a mono- or di-ammonium salt having the formula:

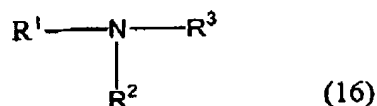


or



wherein  $\text{R}^1$ ,  $\text{R}^2$ ,  $\text{R}^4$ ,  $\text{R}^5$  and  $\text{R}^7$  are independently hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms or  $-\text{R}^8(\text{OR}^9)_n\text{OR}^{10}$ ,  $\text{R}^6$  is hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms,  $\text{R}^3$  is hydrocarbylene or substituted hydrocarbylene having from 2 to about 30 carbon atoms,  $\text{R}^8$  and  $\text{R}^9$  are individually hydrocarbylene or substituted hydrocarbylene having from 2 to about 4 carbon atoms,  $\text{R}^{10}$  is hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms,  $m$  is 0 or 1,  $n$  is an average number from 0 to about 40,  $\text{X}$  is  $-\text{C}(\text{O})-$  or  $-\text{SO}_2-$ ,  $\text{Z}$  is  $-\text{C}(\text{O})-$ , and  $\text{A}^-$  is an agriculturally acceptable anion; or

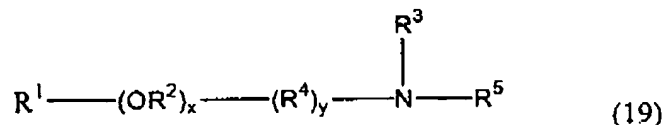
(e) a poly(hydroxyalkyl)amine having the formula:



wherein  $\text{R}^1$  is hydrocarbyl or substituted hydrocarbyl having from about 4 to about 30 carbon atoms or  $-\text{R}^4\text{OR}^5$ ,  $\text{R}^2$  is hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms,  $\text{R}^3$  is hydroxyalkyl, polyhydroxyalkyl, or poly(hydroxyalkyl)alkyl,  $\text{R}^4$  is hydrocarbylene or substituted hydrocarbylene having from 2 to about 18 carbon atoms, and  $\text{R}^5$  is hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms; or

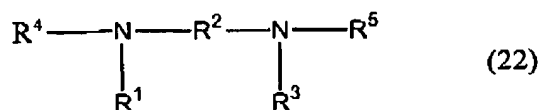
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(f) an alkoxyated poly(hydroxyalkyl)amine having the formula:



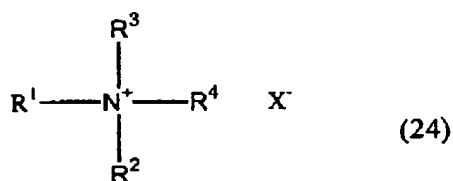
wherein  $\text{R}^1$  and  $\text{R}^3$  are independently hydrogen, hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms,  $\text{R}^2$  in each of the  $x$  ( $\text{R}^2\text{O}$ ) groups is independently  $\text{C}_2$ - $\text{C}_4$  alkylene,  $\text{R}^4$  is hydrocarbylene or substituted hydrocarbylene having from 1 to about 30 carbon atoms,  $\text{R}^5$  is hydroxyalkyl, polyhydroxyalkyl, or poly(hydroxyalkyl)alkyl  $x$  is an average number from 0 to about 30, and  $y$  is 0 or 1; or

(g) a di-poly(hydroxyalkyl)amine having the formula:



wherein  $\text{R}^1$  and  $\text{R}^3$  are independently hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 22 carbon atoms,  $\text{R}^2$  is hydrocarbylene or substituted hydrocarbylene having from 2 to about 18 carbon atoms, and  $\text{R}^4$  and  $\text{R}^5$  are independently hydroxyalkyl, polyhydroxyalkyl, or poly(hydroxyalkyl)alkyl; or

(h) a quaternary poly(hydroxyalkyl)amine salt having the formula:

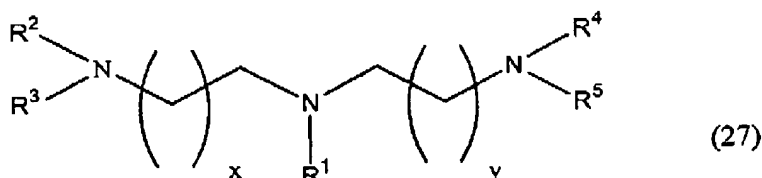


wherein  $\text{R}^1$  is hydrocarbyl or substituted hydrocarbyl having from about 4 to about 30 carbon atoms or  $-\text{X}_m - (\text{R}^6\text{O})_y \text{R}^5$ ,  $\text{R}^2$  and  $\text{R}^3$  are independently hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms,  $\text{R}^4$  is hydroxyalkyl, polyhydroxyalkyl, or poly(hydroxyalkyl)alkyl,  $\text{X}^-$  is an agriculturally acceptable anion,  $\text{R}^6$  in each of the  $y(\text{R}^6\text{O})$  groups is independently  $\text{C}_2$ - $\text{C}_4$  alkylene,  $\text{R}^5$  is hydrogen or a linear or branched alkyl group having 1 to

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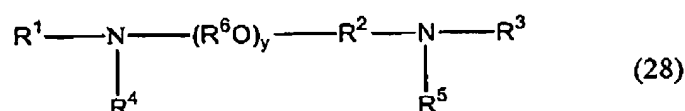
about 4 carbon atoms, X is hydrocarbylene or substituted hydrocarbylene having from 2 to about 18 carbon atoms, m is 0 or 1, and y is an average number from 0 to about 30; or

(i) a triamine having the formula:



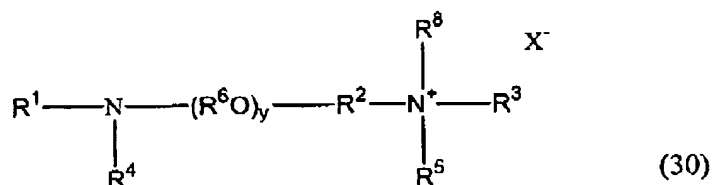
wherein R<sup>1</sup> is hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, R<sup>2</sup>, R<sup>3</sup>, R<sup>4</sup> and R<sup>5</sup> are independently hydrogen, hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, or -(R<sup>8</sup>)<sub>s</sub>(R<sup>7</sup>O)<sub>n</sub>R<sup>6</sup>, R<sup>6</sup> is hydrogen or a linear or branched alkyl group having from 1 to about 4 carbon atoms, R<sup>7</sup> in each of the n (R<sup>7</sup>O) groups is independently C<sub>2</sub>-C<sub>4</sub> alkylene, R<sup>8</sup> is hydrocarbylene or substituted hydrocarbylene having from 1 to about 6 carbon atoms, n is an average number from 1 to about 10, s is 0 or 1, and x and y are independently an integer from 1 to about 4; or

(j) a diamine having the formula:

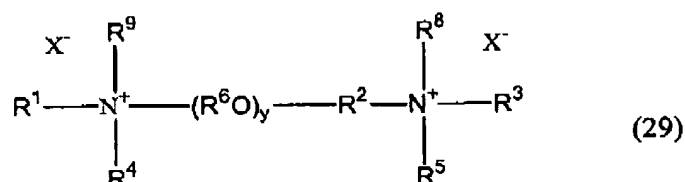


wherein R<sup>1</sup>, R<sup>3</sup>, R<sup>4</sup> and R<sup>5</sup> are independently hydrogen, hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, or -(R<sup>6</sup>O)<sub>x</sub>R<sup>7</sup>, R<sup>2</sup> is hydrocarbylene or substituted hydrocarbylene having from 2 to about 30 carbon atoms, -C(=NR<sup>11</sup>)NR<sup>12</sup>R<sup>13</sup>-, -C(=O)NR<sup>12</sup>R<sup>13</sup>-, -C(=S)NR<sup>12</sup>R<sup>13</sup>-, -C(=NR<sup>12</sup>)-, -C(S)-, or -C(O)-, R<sup>6</sup> in each of the x(R<sup>6</sup>O) and y(R<sup>6</sup>O) groups is independently C<sub>2</sub>-C<sub>4</sub> alkylene, R<sup>7</sup> is hydrogen, or a linear or branched alkyl group having from 1 to about 30 carbon atoms, R<sup>11</sup>, R<sup>12</sup> and R<sup>13</sup> are hydrogen, hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, x is an average number from 1 to about 50, and y is an average number from 0 to about 60; or

(k) a mono- or di-quaternary ammonium salt having the formula:

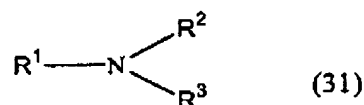
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or



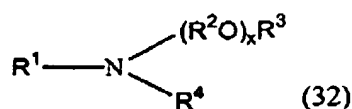
wherein  $\text{R}^1$ ,  $\text{R}^3$ ,  $\text{R}^4$ ,  $\text{R}^5$ ,  $\text{R}^8$  and  $\text{R}^9$  are independently hydrogen, polyhydroxyalkyl, hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, or  $-(\text{R}^6\text{O})_x\text{R}^7$ ,  $\text{R}^2$  is hydrocarbylene or substituted hydrocarbylene having from 2 to about 30 carbon atoms,  $\text{R}^6$  in each of the  $x$  ( $\text{R}^6\text{O}$ ) and  $y$  ( $\text{R}^6\text{O}$ ) groups is independently  $\text{C}_2$ - $\text{C}_4$  alkylene,  $\text{R}^7$  is hydrogen, or a linear or branched alkyl group having from 1 to about 4 carbon atoms,  $x$  is an average number from 1 to about 30,  $y$  is an average number from about 3 to about 60, and  $\text{X}^-$  is an agriculturally acceptable anion; or

(l) a secondary or tertiary amine having the formula:



wherein  $\text{R}^1$  and  $\text{R}^2$  are hydrocarbyl having from 1 to about 30 carbon atoms, and  $\text{R}^3$  is hydrogen or hydrocarbyl having from 1 to about 30 carbon atoms; or

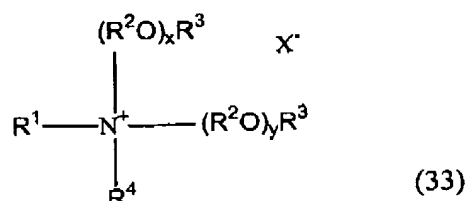
(m) a monoalkylated amine having the formula:



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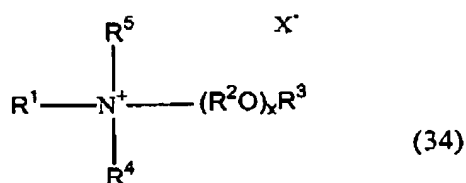
wherein  $R^1$  and  $R^4$  are independently hydrocarbyl or substituted hydrocarbyl groups having from 1 to about 30 carbon atoms or  $-R^5SR^6$ ,  $R^2$  in each of the  $x$  ( $R^2O$ ) groups is independently  $C_2-C_4$  alkylene,  $R^3$  is hydrogen, or a linear or branched alkyl group having from 1 to about 4 carbon atoms,  $R^5$  is a linear or branched alkyl group having from about 6 to about 30 carbon atoms,  $R^6$  is a hydrocarbyl or substituted hydrocarbyl group having from 4 to about 15 carbon atoms and  $x$  is an average number from 1 to about 60; or

(n) a dialkoxylated quaternary ammonium salt having the formula:



wherein  $R^1$  is hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms,  $R^2$  in each of the  $x$  ( $R^2O$ ) and  $y$  ( $R^2O$ ) groups is independently  $C_2-C_4$  alkylene,  $R^3$  is hydrogen, or a linear or branched alkyl group having from 1 to about 4 carbon atoms,  $R^4$  is hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms,  $x$  and  $y$  are independently an average number from 1 to about 40, and  $X^-$  is an agriculturally acceptable anion; or

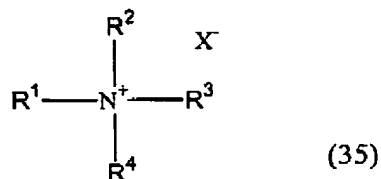
(o) a monoalkoxylated quaternary ammonium salt having the formula:



wherein  $R^1$  and  $R^5$  are independently hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms,  $R^4$  is hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms,  $R^2$  in each of the  $x$  ( $R^2O$ ) groups is independently  $C_2-C_4$  alkylene,  $R^3$  is hydrogen, or a linear or branched alkyl group having from 1 to about 30 carbon atoms,  $x$  is an average number from 1 to about 60, and  $X^-$  is an agriculturally acceptable anion; or

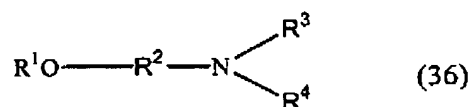
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(p) a quaternary ammonium salt having the formula:



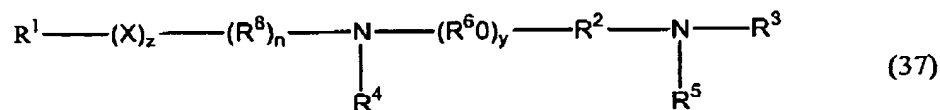
wherein  $\text{R}^1$ ,  $\text{R}^3$  and  $\text{R}^4$  are independently hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms,  $\text{R}^2$  is hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, and  $\text{X}^-$  is an agriculturally acceptable anion; or

(q) an etheramine having the formula:



wherein  $\text{R}^1$  is hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms,  $\text{R}^2$  is hydrocarbylene or substituted hydrocarbylene having from 2 to about 30 carbon atoms,  $\text{R}^3$  and  $\text{R}^4$  are independently hydrogen, hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, or  $-(\text{R}^5\text{O})_x\text{R}^6$ ,  $\text{R}^5$  in each of the  $x(\text{R}^5\text{O})$  groups is independently  $\text{C}_2\text{-C}_4$  alkylene,  $\text{R}^6$  is hydrogen, or a linear or branched alkyl group having from 1 to about 4 carbon atoms, and  $x$  is an average number from 1 to about 50; or

(r) a diamine having the formula:

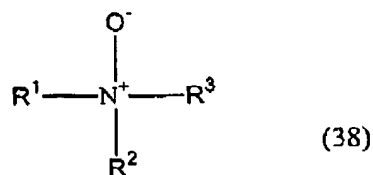


wherein  $\text{R}^1$ ,  $\text{R}^3$ ,  $\text{R}^4$  and  $\text{R}^5$  are independently hydrogen, hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, or  $-(\text{R}^6\text{O})_x\text{R}^7$ ,  $\text{R}^2$  and  $\text{R}^8$  are independently hydrocarbylene or substituted hydrocarbylene having from 2 to about 30 carbon atoms,  $\text{R}^6$  in each of the  $x(\text{R}^6\text{O})$  and  $y(\text{R}^6\text{O})$  groups is independently  $\text{C}_2\text{-C}_4$  alkylene,  $\text{R}^7$  is hydrogen, or a linear or branched alkyl group having from 1 to about 30 carbon atoms,  $x$  is an average number

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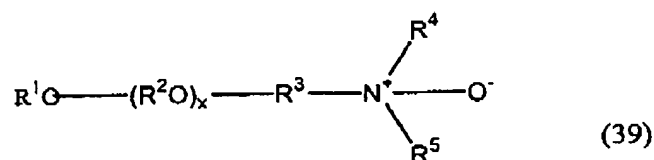
from 1 to about 30, X is -O-, -N(R<sup>6</sup>)-, -C(O)-, -C(O)O-, -OC(O)-, -N(R<sup>9</sup>)C(O)-, -C(O)N(R<sup>9</sup>)-, -S-, -SO-, or -SO<sub>2</sub>-, y is 0 or an average number from 1 to about 30, n and z are independently 0 or 1, and R<sup>9</sup> is hydrogen or hydrocarbyl or substituted hydrocarbyl; or

(s) an amine oxide having the formula:



wherein R<sup>1</sup>, R<sup>2</sup> and R<sup>3</sup> are independently hydrogen, hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, -(R<sup>4</sup>O)<sub>x</sub>R<sup>5</sup>, or -R<sup>6</sup>(OR<sup>4</sup>)<sub>x</sub>OR<sup>5</sup>, R<sup>4</sup> in each of the x (R<sup>4</sup>O) groups is independently C<sub>2</sub>-C<sub>4</sub> alkylene, R<sup>5</sup> is hydrogen, or a hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, R<sup>6</sup> is a hydrocarbylene or substituted hydrocarbylene having from 1 to about 6 carbon atoms, x is an average number from 1 to about 50, and the total number of carbon atoms in R<sup>1</sup>, R<sup>2</sup> and R<sup>3</sup> is at least 8; or

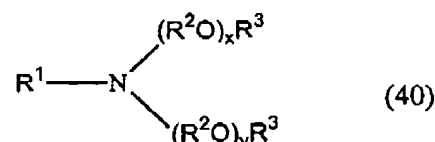
(t) an alkoxyated amine oxide having the formula:



wherein R<sup>1</sup> is hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, R<sup>3</sup> is a hydrocarbylene or substituted hydrocarbylene having from 2 to about 6 carbon atoms, R<sup>4</sup> and R<sup>5</sup> are each independently hydrogen, hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, or -(R<sup>6</sup>)<sub>n</sub>-(R<sup>2</sup>O)<sub>y</sub>R<sup>7</sup>, R<sup>2</sup> in each of the x (R<sup>2</sup>O) and y (R<sup>2</sup>O) groups is independently C<sub>2</sub>-C<sub>4</sub> alkylene, R<sup>6</sup> is hydrocarbylene or substituted hydrocarbylene containing from 1 to about 6 carbon atoms, R<sup>7</sup> is hydrogen or a linear or branched alkyl group having 1 to about 4 carbon atoms, n is 0 or 1, and x and y are independently an average number from 1 to about 60; or

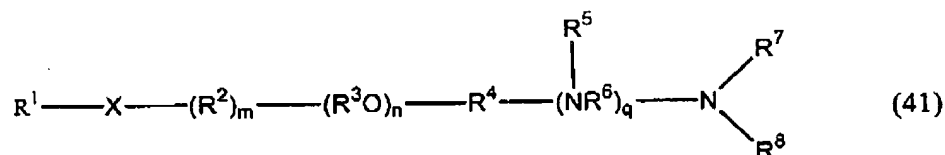
(u) a dialkoxyated amine having the formula:



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wherein  $\text{R}^1$  is hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms,  $-\text{R}^4\text{SR}^5$ , or  $-(\text{R}^2\text{O})_z\text{R}^3$ ,  $\text{R}^2$  in each of the  $x$  ( $\text{R}^2\text{O}$ ),  $y$  ( $\text{R}^2\text{O}$ ) and  $z$  ( $\text{R}^2\text{O}$ ) groups is independently  $\text{C}_2$ - $\text{C}_4$  alkylene,  $\text{R}^3$  is hydrogen, or a linear or branched alkyl group having from 1 to about 22 carbon atoms,  $\text{R}^4$  is a linear or branched alkyl group having from about 6 to about 30 carbon atoms,  $\text{R}^5$  is a linear or branched alkyl group having from about 4 to about 15 carbon atoms, and  $x$ ,  $y$  and  $z$  are independently an average number from 1 to about 40, provided, however, that when  $\text{R}^1$  is alkyl, either the sum of  $x$  and  $y$  is greater than 20 or  $\text{R}^3$  is other than hydrogen; or

(v) an aminated alkoxyated alcohol having the formula:

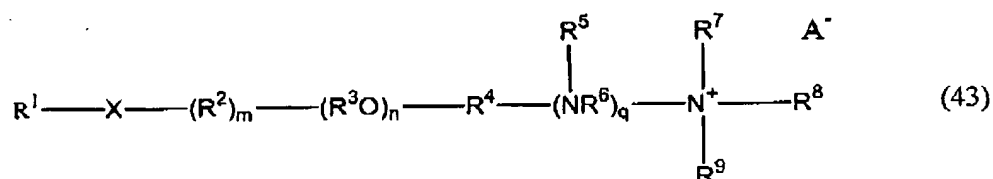


wherein  $\text{R}^1$ ,  $\text{R}^7$ ,  $\text{R}^8$ , and  $\text{R}^9$  are each independently hydrogen, hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, or  $-(\text{R}^{11})_s(\text{R}^3\text{O})_v\text{R}^{10}$ ,  $\text{X}$  is  $-\text{O}-$ ,  $-\text{OC}(\text{O})-$ ,  $-\text{C}(\text{O})\text{O}-$ ,  $-\text{N}(\text{R}^{12})\text{C}(\text{O})-$ ,  $-\text{C}(\text{O})\text{N}(\text{R}^{12})-$ ,  $-\text{S}-$ ,  $-\text{SO}-$ ,  $-\text{SO}_2-$  or  $-\text{N}(\text{R}^9)-$ ,  $\text{R}^3$  in each of the  $n$  ( $\text{R}^3\text{O}$ ) groups and the  $v$  ( $\text{R}^3\text{O}$ ) groups is independently  $\text{C}_2$ - $\text{C}_4$  alkylene,  $\text{R}^{10}$  is hydrogen, or a linear or branched alkyl group having from 1 to about 30 carbon atoms,  $n$  is an average number from 1 to about 60,  $v$  is an average number from 1 to about 50,  $\text{R}^2$  and  $\text{R}^{11}$  are each independently hydrocarbylene or substituted hydrocarbylene having from 1 to about 6 carbon atoms,  $\text{R}^4$  is hydrocarbylene or substituted hydrocarbylene having from 2 to about 6 carbon atoms,  $\text{R}^{12}$  is hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms,  $m$  and  $s$  are each independently 0 or 1,  $\text{R}^6$  is hydrocarbylene or substituted hydrocarbylene having from 2 to about 30 carbon atoms,  $-\text{C}(=\text{NR}^{12})-$ ,  $-\text{C}(\text{S})-$ , or  $-\text{C}(\text{O})-$ ,  $q$  is an integer from 0 to 5, and

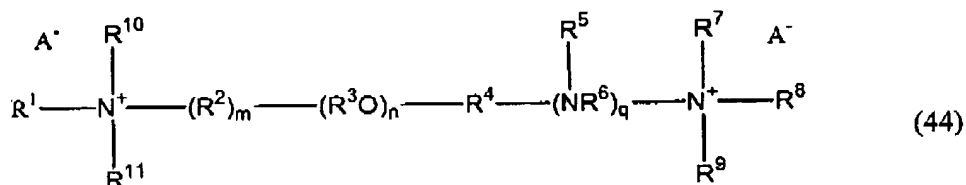
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$R^5$  is hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms; or

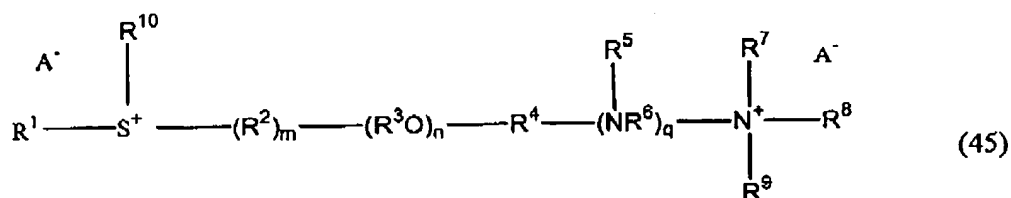
(w) a quaternary ammonium, sulfonium or sulfoxonium salt having the formula:



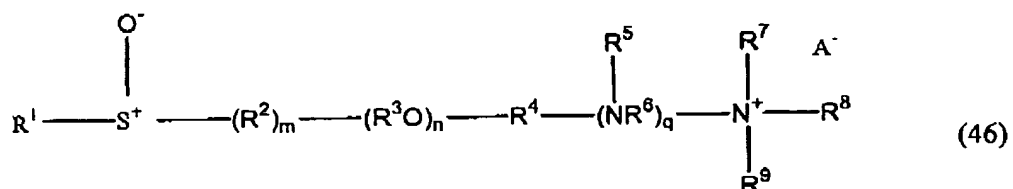
or



or



or

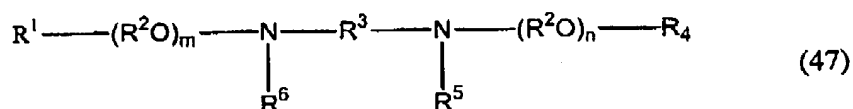


wherein  $R^1$ ,  $R^7$ ,  $R^8$ ,  $R^9$ ,  $R^{10}$  and  $R^{11}$  are independently hydrogen, hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, or  $-(R^{13})_s(R^3O)_rR^{12}$ ,  $X$  is  $-O-$ ,  $-OC(O)-$ ,

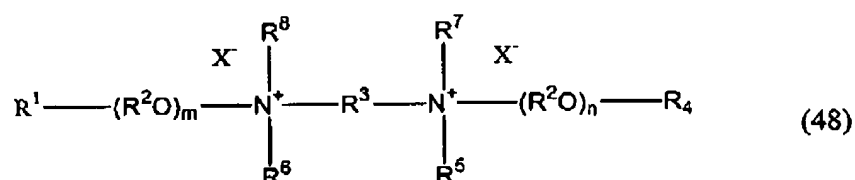
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-N(R<sup>14</sup>)C(O)-, -C(O)N(R<sup>14</sup>)-, -C(O)O-, or -S-, R<sup>3</sup> in each of the n (R<sup>3</sup>O) groups and v (R<sup>3</sup>O) groups is independently C<sub>2</sub>-C<sub>4</sub> alkylene, R<sup>12</sup> is hydrogen, or a linear or branched alkyl group having from 1 to about 30 carbon atoms, n is an average number from 1 to about 60, v is an average number from 1 to about 50, R<sup>2</sup> and R<sup>13</sup> are each independently hydrocarbylene or substituted hydrocarbylene having from 1 to about 6 carbon atoms, m and s are each independently 0 or 1, R<sup>4</sup> is hydrocarbylene or substituted hydrocarbylene having from 2 to about 6 carbon atoms, R<sup>6</sup> is hydrocarbylene or substituted hydrocarbylene having from 2 to about 30 carbon atoms, -C(=NR<sup>12</sup>)-, -C(S)-, or -C(O)-, R<sup>14</sup> is hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, q is an integer from 0 to 5, R<sup>5</sup> is hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, and each A<sup>-</sup> is an agriculturally acceptable anion; or

(x) a diamine or diammonium salt having the formula:

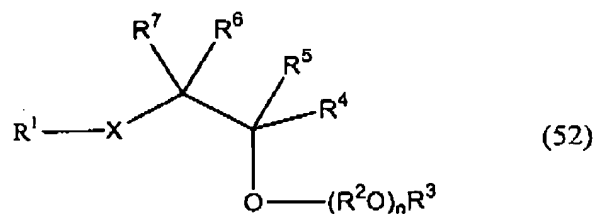


or

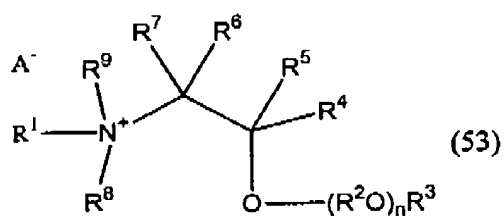


wherein R<sup>1</sup>, R<sup>4</sup>, R<sup>5</sup>, R<sup>6</sup>, R<sup>7</sup> and R<sup>8</sup> are independently hydrogen or hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, R<sup>2</sup> in each of the m(R<sup>2</sup>O) and n(R<sup>2</sup>O) groups and R<sup>9</sup> are independently C<sub>2</sub>-C<sub>4</sub> alkylene, R<sup>3</sup> is hydrocarbylene or substituted hydrocarbylene having from about 2 to about 6 carbon atoms or -(R<sup>2</sup>O)<sub>p</sub>R<sup>9</sup>-, m and n are individually an average number from 0 to about 50, and p is an average number from 0 to about 60; or

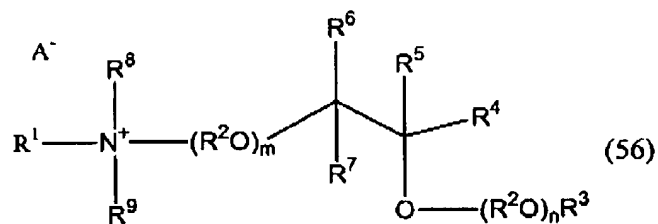
(y) a compound of the formula:

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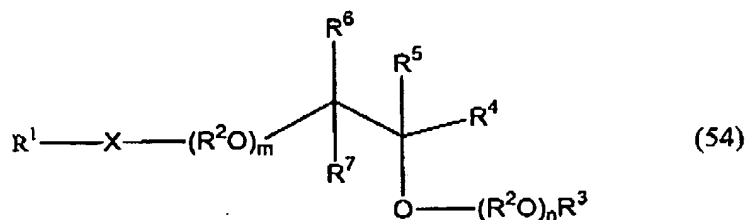
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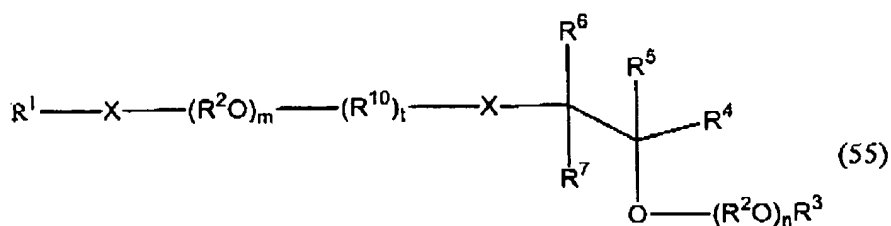
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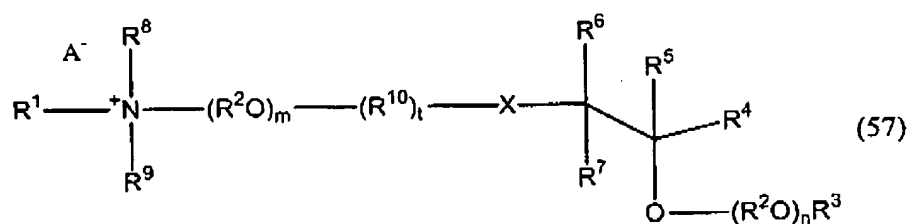
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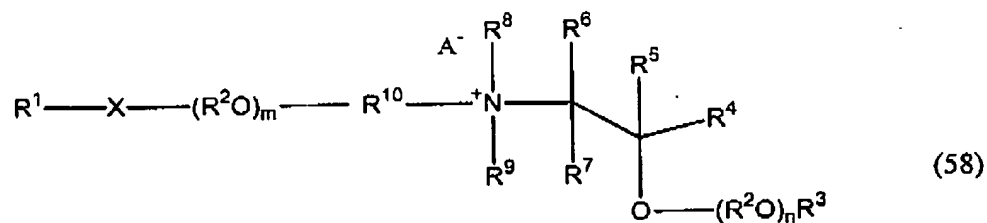
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MTC 6801  
PATENT

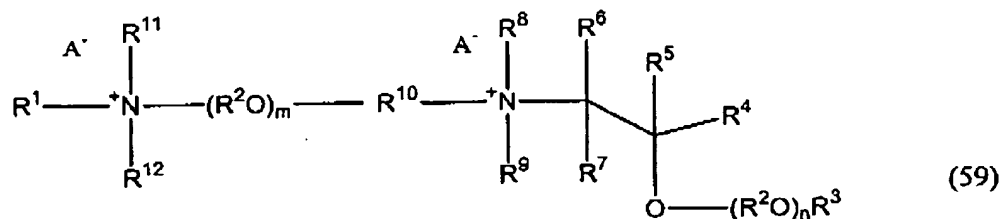
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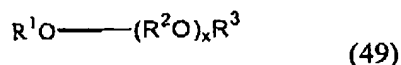
wherein  $R^1$ ,  $R^9$ , and  $R^{12}$  are independently hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, or  $-(R^2O)_pR^{13}$ ,  $R^2$  in each of the  $m$   $(R^2O)$ ,  $n$   $(R^2O)$ ,  $p$   $(R^2O)$  and  $q$   $(R^2O)$

MTC 6801  
PATENT

groups is independently C<sub>2</sub>-C<sub>4</sub> alkylene, R<sup>3</sup>, R<sup>8</sup>, R<sup>11</sup>, R<sup>13</sup> and R<sup>15</sup> are independently hydrogen, or a hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, R<sup>4</sup> is -(CH<sub>2</sub>)<sub>y</sub>OR<sup>13</sup> or -(CH<sub>2</sub>)<sub>y</sub>O(R<sup>2</sup>O)<sub>q</sub>R<sup>3</sup>, R<sup>5</sup>, R<sup>6</sup> and R<sup>7</sup> are independently hydrogen, hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, or R<sup>4</sup>, R<sup>10</sup> is hydrocarbylene or substituted hydrocarbylene having from 2 to about 30 carbon atoms, R<sup>14</sup> is hydrogen, hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, or -(CH<sub>2</sub>)<sub>z</sub>O(R<sup>2</sup>O)<sub>p</sub>R<sup>3</sup>, m, n, p and q are independently an average number from 1 to about 50, X is independently -O-, -N(R<sup>14</sup>)-, -C(O)-, -C(O)O-, -OC(O)-, -N(R<sup>15</sup>)C(O)-, -C(O)N(R<sup>15</sup>)-, -S-, -SO-, or -SO<sub>2</sub>-, t is 0 or 1, A- is an agriculturally acceptable anion, and y and z are independently an integer from 0 to about 30.

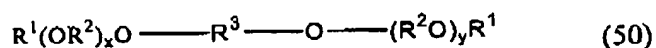
80. (Previously Amended) The composition of claim 65 wherein said surfactant component further comprises at least one nonionic surfactant comprising:

(a) an alkoxyated alcohol having the formula:



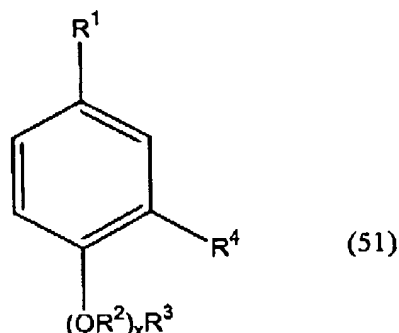
wherein R<sup>1</sup> is hydrocarbyl or substituted hydrocarbyl having from 1 to about 30 carbon atoms, R<sup>2</sup> in each of the x (R<sup>2</sup>O) groups is independently C<sub>2</sub>-C<sub>4</sub> alkylene, R<sup>3</sup> is hydrogen, or a linear or branched alkyl group having from 1 to about 4 carbon atoms, and x is an average number from 1 to about 60; or

(b) a dialkoxyated alcohol having the formula:



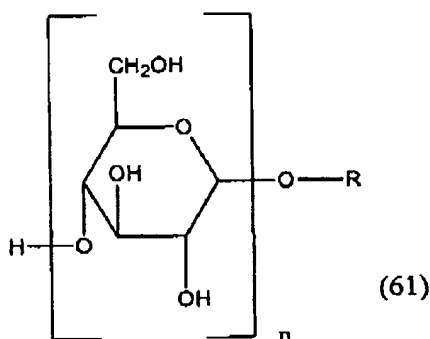
wherein R<sup>1</sup> is independently hydrogen, or a linear or branched alkyl group having from 1 to about 4 carbon atoms, R<sup>2</sup> in each of the x (R<sup>2</sup>O) and the y (R<sup>2</sup>O) groups is independently C<sub>2</sub>-C<sub>4</sub> alkylene, R<sup>3</sup> is hydrocarbylene or substituted hydrocarbylene having from 2 to about 30 carbon atoms, and x and y are independently an average number from 1 to about 60; or

(c) an alkoxyated dialkylphenol having the formula:

MTC 6801  
PATENT

wherein  $R^1$  and  $R^4$  are independently hydrogen, or a linear or branched alkyl group having from 1 to about 30 carbon atoms and at least one of  $R^1$  and  $R^4$  is an alkyl group,  $R^2$  in each of the  $x$   $(R^2O)$  groups is independently  $C_2$ - $C_4$  alkylene,  $R^3$  is hydrogen, or a linear or branched alkyl group having from 1 to about 4 carbon atoms, and  $x$  is an average number from 1 to about 60; or

(d) a glycoside having the formula:



wherein  $n$  is the degree of polymerization, or number of glucose groups, and  $R$  is a branched or straight chain alkyl group preferably having from 4 to 18 carbon atoms, or a mixture of alkyl groups having an average value within the given range.

81-125. (Canceled)

126. (Previously Presented) The composition of claim 1 wherein said stabilizer comprises octylamine.

MTC 6801  
PATENT

127. (Previously Presented) The composition of claim 31 wherein said stabilizer comprises octylamine.

128. (Previously Presented) The composition of claim 46 wherein said stabilizer comprises octylamine.

129. (Previously Presented) The composition of claim 65 wherein said stabilizer comprises octylamine.

130. (Canceled)

131. (Canceled)